

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/089011 A1

(51) International Patent Classification⁷: **H04Q 7/20**

98033 (US). **ZATLOUKAL, Peter** [US/US]; 218 Main Street, #480, Kirkland, WA 98033 (US).

(21) International Application Number:
PCT/US2004/009781

(74) **Agents:** AUYEUNG, Aloysius, T., C. et al.; Schwabe, Williamson & Wyatt, P.C., Pacwest Center, Suites 1600-1900, 1211 SW Fifth Avenue, Portland, OR 97204 (US).

(22) International Filing Date: 26 March 2004 (26.03.2004)

(25) Filing Language: English

(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) **Priority Data:**
60/458,314 28 March 2003 (28.03.2003) US

(71) **Applicant** (for all designated States except US): **WILD-SEED, LTD.** [US/US]; 10210 NE Points Dr. Ste. 300, Kirkland, WA 98033 (US).

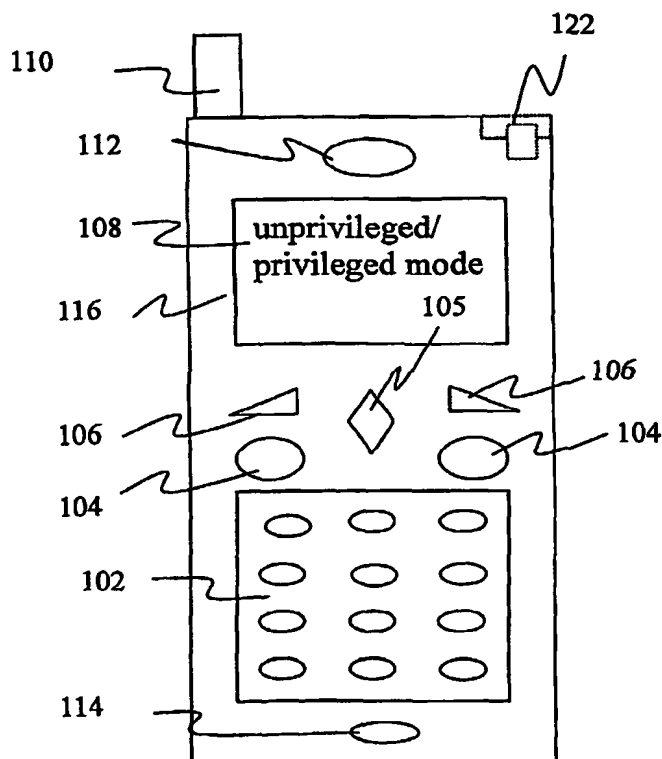
(72) **Inventors; and**

(75) **Inventors/Applicants** (for US only): **ENGSTROM, Eric, G.** [US/US]; 12415 Holmes Pt. Dr., NE, Kirkland, WA

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) **Title:** A WIRELESS MOBILE PHONE WITH AUTHENTICATED MODE OF OPERATION INCLUDING FINGER PRINT BASED AUTHENTICATION



(57) **Abstract:** A wireless mobile phone is equipped to operate in an unauthenticated and an authenticated mode of operation, depending on whether a user has been authenticated. In one embodiment, the wireless mobile phone includes a finger print reader to enable a user's finger print to be inputted and be used for authentication. In one embodiment, the finger print reader includes a light source and sensors, and having complementary logic to process emitted light reflected off a user's finger into an input finger print. The user is authenticated using the inputted finger print. In one embodiment, the finger print reader is integrated with a power on/off switch, which may be disposed on an end surface, a side surface or a front surface of the body of the phone.

WO 2004/089011 A1



GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(48) Date of publication of this corrected version:

6 January 2005

(15) Information about Correction:

see PCT Gazette No. 01/2005 of 6 January 2005, Section II

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.